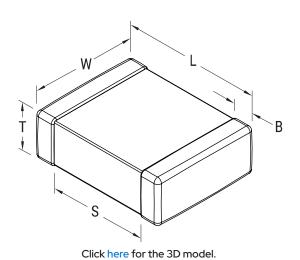


## C0603X102J5GACTU

Aliases (C0603X102J5GAC7867) SMD Comm COG Flex, Ceramic, 1,000 pF, 5%, 50 VDC, COG, SMD, MLCC, FT-CAP, Ultra-Stable, 0603, 0.4 mm



| General Information      |                                     |
|--------------------------|-------------------------------------|
| Series                   | SMD Comm COG Flex                   |
| Style                    | SMD Chip                            |
| Description              | SMD, MLCC, FT-CAP, Ultra-<br>Stable |
| Features                 | FT-CAP, Ultra-Stable                |
| RoHS                     | Yes                                 |
| Termination              | Flexible Termination                |
| Marking                  | No                                  |
| AEC-Q200                 | No                                  |
| Typical Component Weight | 4.6 mg                              |
| Shelf Life               | 78 Weeks                            |
| MSL                      | 1                                   |

1000 pF

0% Loss/Decade Hour

100 GOhms

| Dimensions |                  |
|------------|------------------|
| Chip Size  | 0603             |
| L          | 1.6mm +/-0.17mm  |
| W          | 0.8mm +/-0.15mm  |
| Т          | 0.8mm +/-0.15mm  |
| S          | 0.4mm MIN        |
| В          | 0.45mm +/-0.15mm |
|            |                  |

|            | Capacitance  | 1,000 pr                  |
|------------|--|---------------------------|
| mm         | Measurement Condition  | 1 MHz 1.0Vrms             |
| ōmm        | Tolerance  | 5%                        |
| ōmm        | Voltage DC   | 50 VDC                    |
|            | Dielectric Withstanding Voltage  | 125 VDC                   |
| 15mm       | Temperature Range  | -55/+125°C                |
|            | Temp. Coefficient  | COG                       |
| Paper Tape | Capacitance Change with<br>Reference to +25°C and 0 VDC<br>Applied (TCC) | 30 ppm/C, 1MegaHz 1.0Vrms |
|            | Dissipation Factor   | 0.1% 1 MHz 1.0Vrms        |
|            |  |                           |

**Specifications** 

Canacitance

Aging Rate

Insulation Resistance

| Packaging Specifications |                        |
|--------------------------|------------------------|
| Packaging                | T&R, 180mm, Paper Tape |
| Packaging Quantity       | 4000                   |

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